

Appendix table 4-20

## R&amp;D performed by majority-owned affiliates of foreign companies in United States, by NAICS industry of affiliate: 2002–06

(Millions of current U.S. dollars)

Industry/sector	NAICS code	2002	2003	2004	2005	2006
All industries	na	27,507	29,803	30,083	31,099	34,625
Manufacturing	31–33	20,128	20,988	20,587	21,506	25,114
Food	311	368	166	440	498	462
Beverages and tobacco products	312	80	D	61	43	53
Textiles, apparel, and leather products	313–16	D	30	27	37	39 e
Paper	322	75	67	64	64	57
Printing and related support activities	323	39	50	2 e	2	3 e
Petroleum and coal products	324	D	D	D	D	D
Chemicals	325	7,610	9,957	9,922	9,888	12,866
Basic chemicals	3251	608	589	655	513	604
Resins and synthetic rubber, fibers, and filaments	3252	331	311	131	78	65
Pharmaceuticals and medicines	3254	6,373	8,505	8,678	8,710	11,638
Soap, cleaning compounds, and toilet preparations	3256	74	304	96	99	108
Other	na	224	248	361	489	451
Plastics and rubber products	326	275	423	374	342	490
Nonmetallic mineral products	327	204	198	207	219	219
Primary and fabricated metals	na	254	194	247	270	258
Primary metals	331	46	28	80	90	60
Fabricated metal products	332	208	165	167	181	198
Machinery	333	1,681	1,572	1,638	1,552	1,752
Agriculture, construction, and mining machinery	3331	387	361	258	243	348
Industrial machinery	3332	192	223 e	322	114	124
Other	na	1,103	988	1,058	1,195	1,279
Computers and electronic products	334	4,985	3,340	2,690	2,847	3,055
Computers and peripheral equipment	3341	D	145	159 e	D	D
Communications equipment	3342	2,055	1,403	630	570	600
Semiconductors and other electronic components	3344	D	444	495	547	409
Navigational, measuring, and other instruments	3345	1,734	1,278	1,307 e	1,453	1,760
Other	na	42	70	99 e	D	D
Electrical equipment, appliances, and components	335	380	336	D	D	385
Transportation equipment	336	3,302	3,669	3,707	4,244	4,052
Motor vehicles, bodies and trailers, and parts	3361, 3362, 3363	3,041	3,386	3,279	3,663	3,416
Other	na	261	283	428	581	636
Other	na	708	681	798	855	D
Wholesale trade	42	4,855	6,030	6,674	6,529	5,955
Motor vehicles and motor vehicle parts and supplies	4231	337	466	533	347	383
Electrical goods	4236	1,079	1,554	2,191	2,128	2,210
Petroleum and petroleum products	4247	D	D	D	D	D
Other	na	D	D	D	D	D
Retail trade	44–45	D	D	D	D	16
Food and beverage stores	445	*	* e	0	*	0
Other	na	D	D	D	D	16
Information	51	803	852	986	1,009	996
Publishing industries	511	763	632	692	645	640
Motion picture and sound recording industries	512	3	1	* e	* e	* e
Telecommunications	517	11	9	D	D	D
Other	na	26	210	D	D	D
Finance (except depository institutions) and insurance	52	D	13 e	9 e	6 e	5 e
Finance, except depository institutions	na	D	12 e	9 e	6 e	5 e
Insurance carriers and related activities	524	6	1	0	*	* e
Real estate and rental and leasing	53	9	9	6	11	D
Real estate	531	1	* e	* e	* e	* e
Rental and leasing (except real estate)	532	8	8	6	11	D
Professional, scientific, and technical services	54	1,119	1,379	1,436	1,590	1,954
Architectural, engineering, and related services	5413	86	75	80	166	254
Computer systems design and related services	5415	171	278	219	153	252
Management, scientific, and technical consulting	5416	3	3 e	0	*	0
Other	na	859	1,023	1,137	1,271	1,447
Other industries	na	D	D	D	D	D
Agriculture, forestry, fishing, and hunting	11	82	82	41	62	41
Mining	21	D	333	199	208	414

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**R&D performed by majority-owned affiliates of foreign companies in United States, by NAICS industry of affiliate: 2002–06**

(Millions of current U.S. dollars)

Industry/sector	NAICS code	2002	2003	2004	2005	2006
Utilities	22	3	5	0	0	*
Construction	23	D	7	6	5 e	11
Transportation and warehousing	48–49	3	0	D	D	D
Management of nonbank companies and enterprises	55	*	* e	1	1	1
Administration, support, and waste management	56	3	4	*	*	* e
Health care and social assistance	62	D	D	33	51	21
Accommodation and food services	72	*	0	*	0	0
Miscellaneous services	na	D	*	D	D	D

\* = ≤\$500,000; D = suppressed to avoid disclosure of confidential information; e = >50% of value for data cell estimated to account for data not reported by respondents; na = not applicable

NAICS = North American Industry Classification System

NOTES: Data for R&D performance of majority-owned (>50%) nonbank U.S. affiliates of foreign parent companies. Total R&D performed refers to R&D expenditures according to who conducts R&D activity, whether for performer or for others under contract, and excludes R&D expenditures conducted by others under contract. Industry data are classified by the Bureau of Economic Analysis using the International Survey Industry classification system based on the NAICS. Data for 2002–06 are based on the 2002 NAICS. Ultimate beneficial owner is person proceeding up U.S. affiliate's ownership chain beginning with and including foreign parent not owned >50% by another person. Detail may not add to total because of rounding.

SOURCE: Bureau of Economic Analysis, Survey of Foreign Direct Investment in the United States (annual series), <http://www.bea.gov/international/index.htm#omc>, accessed 15 February 2011.

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